Inventor: Lester F. Ludwig

Docket No.: 2738-11

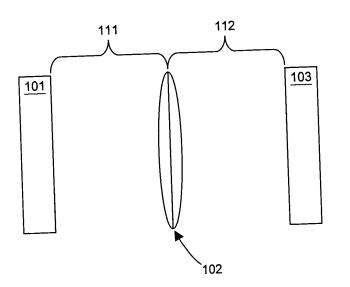


FIG. 1

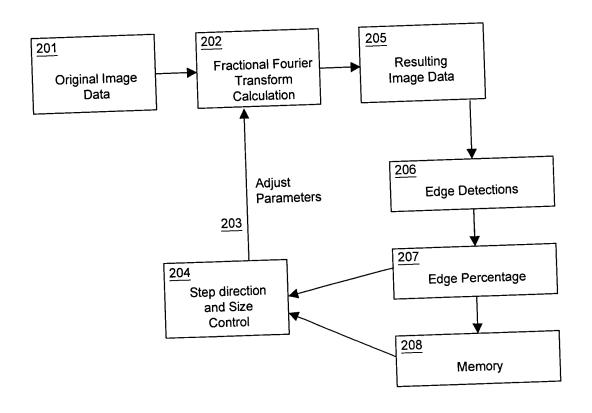


FIG. 2

Inventor: Lester F. Ludwig

Docket No.: 2738-11

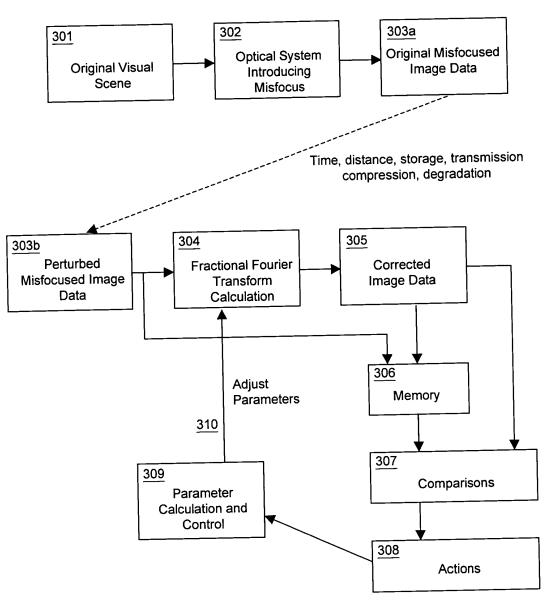


FIG. 3

Inventor: Lester F. Ludwig

Docket No.: 2738-11

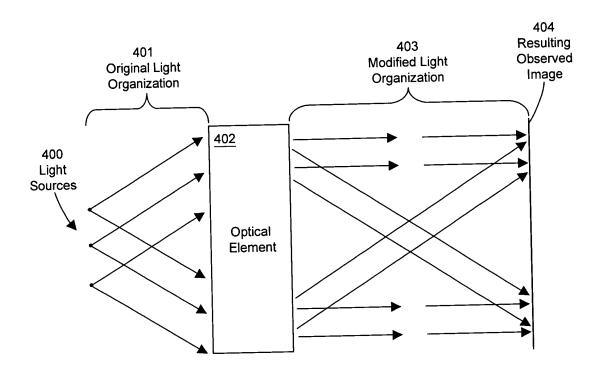


FIG. 4

Inventor:

Lester F. Ludwig

Docket No.: 2738-11

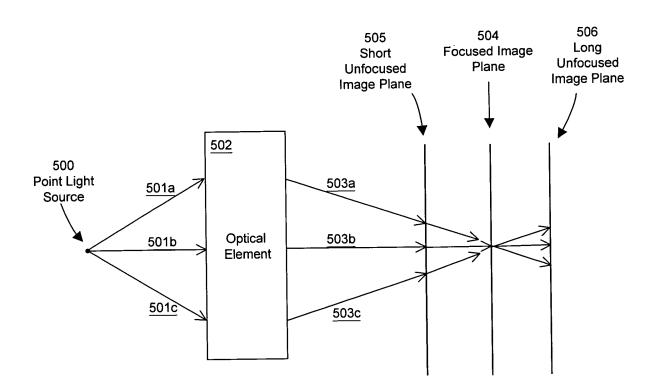


FIG. 5

Inventor: Lester F. Ludwig

Docket No.: 2738-11

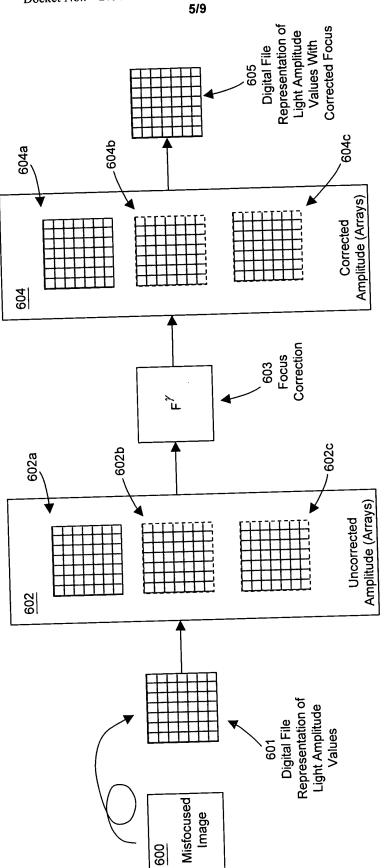


FIG. 6

Inventor: Lester F. Ludwig

Docket No.: 2738-11

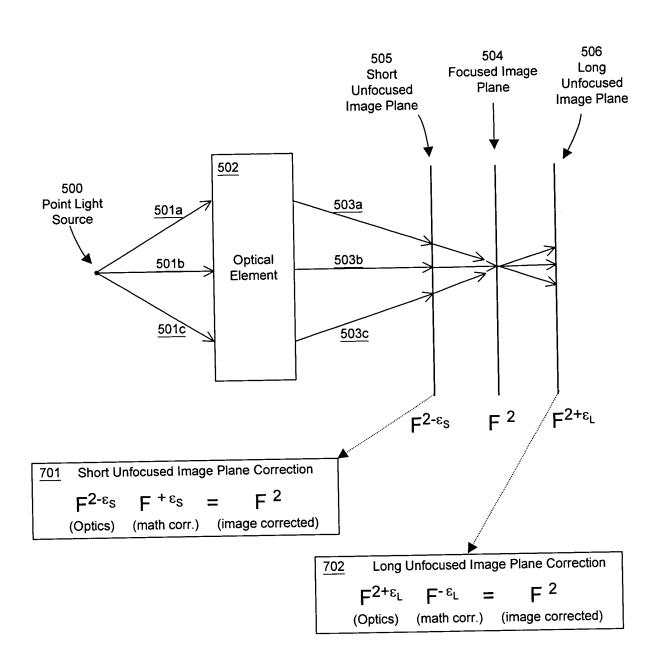


FIG. 7

Inventor: Lester F. Ludwig

Docket No.: 2738-11

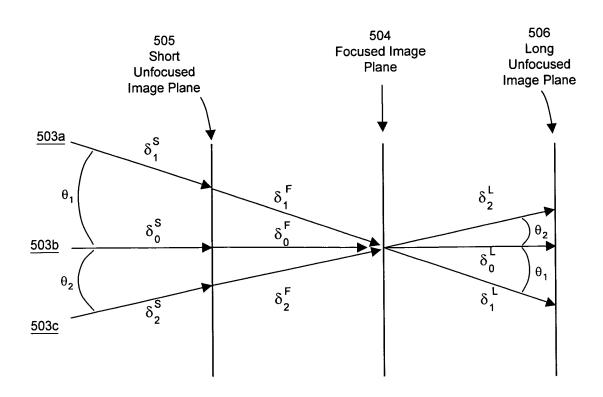


FIG. 8

Inventor: Lester F. Ludwig

Docket No.: 2738-11

$$F^{\alpha} = (|F^{\alpha}| \angle F^{\alpha})$$
FrFT Amplitude Phase Component Component

Optics
$$\longrightarrow$$
 Math Correction \longrightarrow Corrected Result $(|F^2 - \epsilon| \angle F^2 - \epsilon|) \cdot (|F^\epsilon| \angle F^\epsilon|) = F^2$

Amplitude Only Image

Phase-Restored Math Correction

Phase-Restored Math Correction

$$(|F^2 - \epsilon|) \quad (\angle F^2 - \epsilon |F^\epsilon| \angle F^\epsilon) = F^2$$

$$(\angle F^2 - \epsilon |F^\epsilon|)$$

Inventor: Lester F. Ludwig

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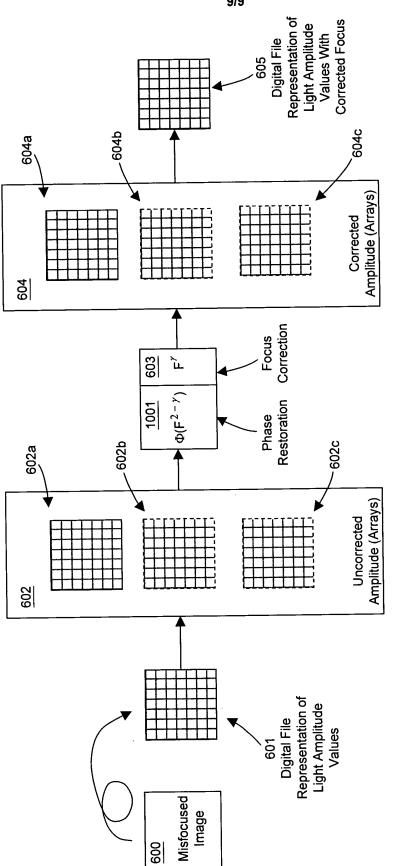


FIG. 10